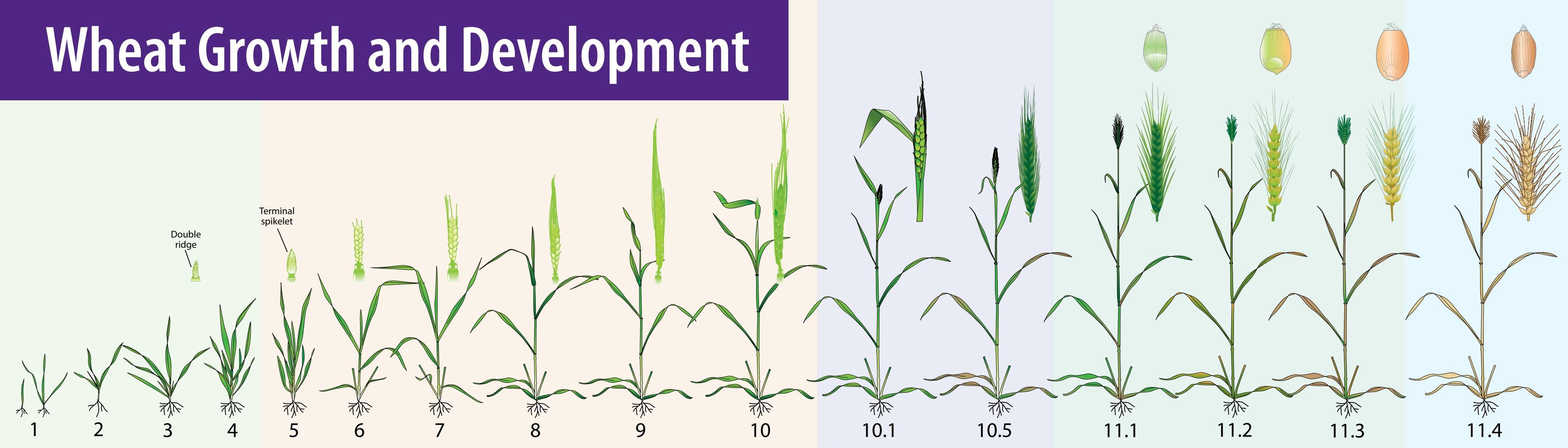


Wheat Growth and Development



Feekes Scale of Wheat Development

Leaf and Tiller Development	Stem Elongation	Heading and Flowering	Grain Filling	Ripening
Head Emergence and Flowering				
		Feekees 5 Feekees 6		Feekees 10.1-10.5
		Feekees 7 Feekees 8		Feekees 10.5.1-10.5.3
		Feekees 9 Feekees 10		Feekees 10.5.4
		Feekees 3 through 9		Feekees 11.1
		Double ridge : The primordia, which differentiate into spikelets, become visible after vernalization requirements are met. Floret initiation starts slightly above the middle portion of the microscopic head and moves outward. The number of florets initiated determines the potential number of kernels per head. Terminal spikelet : This stage marks the completion of the spikelet initiation phase. At this stage, the number of spikelets per head has been determined. Head growth : Rapid head growth occurs in parallel with stem elongation during Feekees growth stages 6 through 9. Florets become ready for pollination and fertilization. Head emergence : Tiller development synchronizes with the main stem, so flowering occurs almost simultaneously in the main stem and tillers, regardless of differences in tiller initiation.		Feekees 11.2
				Feekees 11.3
				Feekees 11.4
				<small>Romulo Lollato, Wheat and Forage Specialist, Department of Agronomy, Kansas State University, lollato@ksu.edu, TWITTER @KSUWheat, FACEBOOK KSU Wheat</small>
				<small>Reviewers: Erick DeWolf, Jeff Edwards, Ignacio Ciampitti, Kevin Donnelly, Kraig Roodzboom, Stephen Watson and James P. Shroyer</small>
				K-STATE Research and Extension
				<small>Kansas State University Agricultural Experiment Station and Cooperative Extension Service K-State Research and Extension is an equal opportunity provider and employer. Issued in furtherance of Cooperative Extension Work, Acts of May 8 and June 30, 1914, as amended. Kansas State University, County Extension Councils, Extension Districts, and United States Department of Agriculture Cooperating. John D. Floros, Director. May 2018 MF3300</small>